

SBRNO-29/15-16

10:30-11-15

1st and 2nd Bill

M. A. R. 57 (Rule 116)
Measurement Book

No. B

BRNO-260501

Serial No.

Name of Work

Name of Contractor of nature of Agency

Date of commencement of work

From

B.B. Umesha

Contractor

D.O. Receipt

20/04/2015

30-4-15

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	<u>Name of Work :-</u>	Improvements and Asphalt to defence layout and BEL layout was of cross-Roads in Ward no. 03 of Indiyarayapur Sub-Division. [CBEL-5th Block Roads]					
	<u>Estimated cost Rs.</u>	25.00 lacs					
	<u>Job No</u>	009-15-000024				CP-0190	Mayor Grant-14-15
	<u>Work order no</u>	EE/BTP/BBMP/E-PMT/08(16525)Wb/321/				14-15	Dt. 23-02-2015

Executive Engineer
Water Supply Division
Meharika Zone, B.M.P.
Bangalore-56 002

MEASUREMENT BOOK

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	1) Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2m and an average lift upto 0.80m, excavated surface levelled and sides neatly dressed, the disposed Earth to be levelled neatly after breaking clods etc. Complete as per specifications and drawings. Engineer - in-charge of works.						
						Qty. m ³ H ₂ MB. P 260571 # no. ① 802.4343 75-60/43	60664.4
	2) Reconfiguring existing stone metal layer upto 15mm thick along with thin bituminous surface, picking up						

Serial No.
Name of Work
Name of Contractor of na
Date of commencement c

Date
1

Full description

2

Reconfigured m
With level of
aggregates
Consolidation
Include cost
as per spec
the work.

T BOOK

Dimensions		Contents	Reference to last Measurement
Breadth	Depth		
5	6	7	8
measured in ordinary soil			
up to 2m and on average			
levelled and sides neatly			
levelled neatly after			
specifications and directions			
also H.S. MB. p 260571			
no. ① 802+343e75-60/43			60664.00
layer up to 15m			
surface, picking up			

M. A. R. 57 (Rule 116)
Measurement Book

No. B

260502

Serial No.

Name of Work From To

Name of Contractor of nature of Agency

Date of commencement of work

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	disposed materials, and stading old serviceable materials With level of 10m sequential spreading of the salvaged aggregates with fresh aggregates on prepared base and consolidation as per water bound macadam specifications including cost of all labor, power, machines etc complete as per specifications and directions of Engineer-in-charge the work.						
						City side this MB p 260573 st no. ② 2007.0002e82.94/1.2	207931.00

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	3) Providing, laying, spreading and compacting graded stone aggregates to wet mix macadam specifications including premixing the material with water at plant in mechanical mix plant, Conveying mixed materials by hopper to site, laying in uniform layers with power in sub-base / base course on well prepared surface and compacting with vibratory Roller to achieve the desired density etc. as per specification. and direction of Engineer in charge of work.						

Qty side
P.

THIS WP 260575
③ 582.309

c 1500/w

873450.4

Serial No.
Name of Work
Name of Contractor of nature
Date of commencement of

Date 1	Full description, 2
	4) cleaning the of binding m brushes and dust brush and on com including con curing on

NT BOOK

Dimensions		Contents	Reference to last Measurement
Breadth	Depth		
5	6	7	8
Compacting graded stone			
Specification including			
at 100' in machine			
drives by hopper to			
power in sub-base			
surface and compaction			
density check			
direction of expansion			
Side this side 260575			
#3 582.309			
1500/w			

873450.00

M. A. R. 57 (Rule 116) Measurement Book

No. B

260503

Serial No.
Name of Work From To
Name of Contractor of nature of Agency
Date of commencement of work

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	4) cleaning the existing WBM-Road surface including removal of binding materials and other foreign matter with wire brushes and small picks, sweeping with brooms and soft brushes and finally dusting with old gunny bags and or compressed air to remove bituminous treatment including cost of all material, labour, power of machinery curing etc complete as per specifications and directions			Qty = 582.309	1500/w		873450.00

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	Engineer in charge of the work						
	5) Providing and applying primer coat for surfaces of medium porosity like cement stabilized subgrade @ 1.10 kg/m ² over prepared surface with d.d. bitumen Emulsion using bitumen tanker fitted with spray jet (Exclude clearing of Road surface) including cost of all material, labour, hire of machinery etc complete as per specification and direction of Engineer in-charge of the work					Qty in de this m.B. P. 260577 It no. ④ = 3625.0042 12.20/12	44,225.00
						Qty on per It ④ = 3625.0042	44,225.00

274.52/12 2,70,135.00

Serial No.
Name of Work
Name of Contractor of nature of Agency
Date of commencement of work

Date 1	Full description, etc, of work 2
	6) Providing and laying 25mm thick with producing an average crushed aggregate of bituminous binder or high temp hot mix paper finisher, with grade, level and abut

MENT BOOK

Dimensions			Contents	Reference to last Measurement
Length 4	Breadth 5	Depth 6		
			7	8
by side this m B.P. 260577 to no. ④ = 3625.00 m² 12.20/12 out for surfaces of medium and base @ 1.10 kg/m² d. a. bitumen Emulsion with Spray jet (Excludes all cost of all material, to complete as per specifi ees - in charge of the work on per sq ④ = 3625.00 m² 12.20/12 274.32/12 2,70,135.00				

M. A. R. 57 (Rule 116)
Measurement Book

No. B

260504

Serial No.
Name of Work From To
Name of Contractor of nature of Agency
Date of commencement of work

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	6) Providing and laying semi dense bituminous concrete 25mm thick with 100-120 mm batch type pump, producing an average output of 75 m ³ /hr using crushed aggregate of specified gradings, premixed with bituminous binder @ 4.5 to 5% of mixed filler, transport through the hot mix to work site, laying with a hydrostatic paver finisher, with tender control to the required grade, level and alignment. Rolling with smooth wheeled						

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	Vibratory and tandem roller to achieve the desired compaction as per MORTM specifications clause no 500.8 complete in all respects as per specifications. With 1/10 grade bitumen, etc complete as per specifications and direction of Engineer. In-charge of the work.						
	a) BEL-5th Block main Road (Venkateshwar Arch-Road)	1	30.00	$\frac{7.2+6.8}{2}$	0.025	5.254	
		1	10.00	$\frac{6.8+7.1}{2}$	0.025	1.74	
		1	15.00	$\frac{7.1+7.6}{2}$	0.025	2.76	
		1	5.00	$\frac{7.6+8.2}{2}$	0.025	0.83	
	Ch. 60.0 to 90.0 m	1	30.00	$\frac{5.2+4.8}{2}$	0.025	3.95	

C.C.F.
Sample

Serial No.
Name of Work
Name of Contractor
Date of commencement

Date 1	Full description
	95.00
	120.00
	160.00
	190.00
	220.00
	250.00
	280.00
	310.00
	340.00
	370.00
	400.00
	430.00
	460.00
	490.00
	520.00
	550.00
	580.00
	610.00
	640.00
	670.00
	700.00
	730.00
	760.00
	790.00
	820.00
	850.00
	880.00
	910.00
	940.00
	970.00
	1000.00

Dimensions			Contents	Reference to last Measurement
h	Breadth	Depth		
5	6	7		8
achieve the desired comp				
for a clause no 500.8				
specifications with h/10				
specifications and				
of the work.				
Avg				
7.2+6.8	0.025	5.25	3	
6.8+7.1	0.025	1.74		
7.1+7.6	0.025	2.76		
7.6+8.2	0.025	0.83		
8.2+4.8	0.025	3.97		

C.C.F.
sample

Serial No.

Name of Work From To

Name of Contractor of nature of Agency

Date of commencement of work

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	90.00 to 120.00	1	30.00	4.8+5.3	0.025	3.79	
	120.0 to 160.0	1	40.00	5.3+5.3	0.025	5.30	
	160.0 to 190.0	1	30.00	5.3+5.8	0.025	4.16	
	190.0 to 220.0	1	30.00	5.8+6.8	0.025	4.77	
	220.0 to 252.0	1	32.00	6.8+5.5	0.025	4.88	
	1st Cross - BEL 5th Block	1	30.00	5.4+4.8	0.025	3.83	
	0.0 to 30.0	1	30.00	4.8+4.9	0.025	3.67	
	30.0 to 60.0	1	30.00	4.9+4.8	0.025	3.67	
	60.0 to 90.0	1	30.00	4.9+4.8	0.025	3.67	

C.C.F.
sample
30/4

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6 <i>(Ar)</i>		
	90.00 to 120.00 y	1	30.00	$\frac{4.8+4.8}{2}$	0.025	3.60	
	120.00 to 133.00 y	1	13.00	$\frac{4.8+7.2}{2}$	0.025	1.98	
	(C) 2nd CRON. BEL-5th Block	1	7.00	$\frac{8.3+5.7}{2}$	0.025	1.23	
	0.00 to 7.00 y	1	23.00	$\frac{5.7+5.0}{2}$	0.025	3.08	
	7.00 to 30.00 y	1	30.00	$\frac{5.0+4.2}{2}$	0.025	3.65	
	30.00 to 60.00 y	1	30.00	$\frac{4.7+4.5}{2}$	0.025	3.40	
	60.00 to 90.00 y	1	30.00	$\frac{4.5+4.5}{2}$	0.025	3.35	
	90.00 to 120.00 y	1	17.00	$\frac{4.4+6.3}{2}$	0.025	2.22	
	120.00 to 137.00 y	1	10.00	$\frac{7.3+5.7}{2}$	0.025	1.59	
	(A) 3rd CROSS-ROAD BEL-5th Block						
	0.00 to 10.00 y						

*check
sample*

Serial No.
Name of Work
Name of Contractor of n
Date of commencement

Date	Full description
1	2
	Depn
	Ch. 10.00
	30.00
	60.00
	90.00
	120.00
	130.00

ENT BOOK

Dimensions			Contents	Reference to last Measurement
th	Breadth	Depth		
5	6	7	8	
$\frac{4.8+4.8}{2}$	0.025	3.60		
$\frac{4.8+7.5}{2}$	0.025	1.98		
$\frac{8.3+5.7}{2}$	0.025	1.23		
$\frac{5.7+5.0}{2}$	0.025	3.08		
$\frac{5.0+4.0}{2}$	0.025	3.65		
$\frac{4.7+4.0}{2}$	0.025	3.40		
$\frac{4.5+4.5}{2}$	0.025	3.34		
$\frac{4.4+6.3}{2}$	0.025	2.22		
$\frac{7.3+5.7}{2}$	0.025	1.59		

check
sample

M. A. R. 57 (Rule 116)
Measurement Book

No. B

260506

Serial No.

Name of Work From To

Name of Contractor of nature of Agency

Date of commencement of work

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Depression July	1	8.00	2.00	0.025	0.40	
		1	7.00	2.20	0.025	0.38	
		1	9.50	2.70	0.025	0.64	
	Ch. 10.00 to 30.00	1	20.00	$\frac{5.4+4.0}{2}$	0.025	2.30	
	30.00 to 60.00	1	30.00	$\frac{4.0+4.7}{2}$	0.025	3.26	
	60.00 to 90.00	1	30.00	$\frac{4.7+5.6}{2}$	0.025	3.64	
	90.00 to 120.00	1	30.00	$\frac{5.0+4.6}{2}$	0.025	3.60	
	120.00 to 130.00	1	10.00	$\frac{4.6+5.7}{2}$	0.025	1.29	
	130.00 to 146.00	1	16.00	$\frac{5.7+7.8}{2}$	0.025	2.70	
						91.00	

check
sample
30/4

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	7) Lead for Disposal of debris shall be payable at Garage rates by mechanical means including loading and unloading etc complete as per specifications and directions of Engineer-in-charge of the work.		Ltd to		90.6343 C 12000/43	10,87,560.00	
	<u>certified</u> ① certified that the Contractor has worked done satisfactorily				Qty as per the no. ① = 802.4343 Ltd to 665.00432 75/43	49875.00	
					Total by	25,93,840.00	

Assistant Executive Engineer
Vidyaranya
BBMP, Bangalore - 97

Serial No.
Name of Work
Name of Contractor of nature of A
Date of commencement of work ..

Date
1
Full description, etc, of work
2

coffee day

BEL APARTMENT

S. S. S.

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions.				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	Audited & Admitted for Rs <u>2593840/-</u> <u>2359025/-</u> and Rs <u>234815/-</u> <i>Trishy...</i> Byatavandura Dr. Byatavandura & Co BBMP.			I.T. 25938- vat- 103754- Lwc 25938- Cof 2594- Roy 76591- <u>234815-</u> Ch: <u>2359025/-</u>			

SBA NO-31/1
A: 30

and for

Serial No.
Name of Work
Name of Contractor of nature
Date of commencement of work

Date 1	Full description, 2
	Name of work
	JOB. NO
	Estimated
	Work-order
	Date of completion
	Date of completion